EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	99	("20020095445" "5696918" "20030135538" "7120868" "20030229845" "20050102628" "20060010375" "5633996" "6181342" "5790790" "5850490" "6199082" "6256666" "6671854" "20020032709" "20020035697" "20020091725" "20020112082" "20030014442" "20030023627" "20030090723" "20030217334" "20040006743" "20040073871" "20040148572" "20040205589" "20040268238" "20050060648" "20050097438" "20050240864" "20050240869" "20060161782" "6249794" "6263352" "5778367" "5937421" "6266682" "6562076" "20020055958" "5267047" "5727220" "5781732" "5819092" "5959621" "5973696" "6067559" "6073124" "6101510" "6134552" "6141018" "6199081" "6216141" "6216141" "6230173" "6249291" "6253193" "6330689" "6363488" "6389402" "6393456" "6421694" "6427140" "6456308" "6476833" "6748554" "6901431" "6934740" "6973656" "6990514" "7016963" "7076534" "7134075" "20020032655" "20020038349" "20020122054" "20020138446" "20030023679" "20030028821" "20030200235" "20030204522" "20040225959" "20050097462" "20050154719" "20050154986" "20060005237" "20060039368" "20060047767" "20060080593" "20060136553" "20060200761" "5717945" "5181162" "6631007" "20060150085" "4969093" "5808615" "5852684" "5903905" "5950215" "20020095459").pn.	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:25
L2	918	(715/517).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:25
L3	3039	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27
L4	443	(715/511).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27

EAST Search History

L5	178995	check$3 with in	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:33
L6	373522	document$1	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27
L7	2797	l5 with l6	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27
L8	373522	document$1	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27
L9	3418842	assembl$3 or creat$3 or construct$5	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:27
L10	45310	L9 with L8	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:28
L11	1539	l7 and l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:33
L12	20	l11 and l4	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:28
L13	382	l7 same l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:29
L14	233	l7 with l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:29
L15	73662	(checking or checked) with in	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:34
L16	3396	l15 and l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:34
L17	135	l15 same l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:33
L18	131	(checking or checked) adj in	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:34
L19	14	l18 and l10	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:34
S1	373082	document$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:34
S2	139025	template$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:34
S3	2453701	construct$5 or build$3	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:35
S4	16621	S3 with S1	US-PGPUB; USPAT	OR	OFF	2007/01/03 06:22
S5	1094	preview$3 with document$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:36
S6	3416359	assembl$3 or creat$3 or construct$5	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:36
S7	45270	S6 with S1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37

EAST Search History

S8	7460	sav$3 with document$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37
S9	23542	low adj resolution$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37
S10	129599	high adj resolution$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37
S11	46969	S4 or S7	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37
S12	2307	S11 same S2	US-PGPUB; USPAT	OR	OFF	2006/12/28 11:37
S13	1	S12 and S5 and S8 and S9 and S10	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:43
S14	24	nazem and yahoo	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:44
S15	139025	template$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:44
S16	14	S14 and S15	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:44
S17	23542	low adj resolution$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:44
S18	129599	high adj resolution$1	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:45
S20	0	S16 and S17 and S18	US-PGPUB; USPAT	OR	OFF	2006/12/28 12:45

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1 Information extraction: Coreference resolution strategies from an application perspective

Lois C. Childs, David Dadd, Norris Heintzelman

October 1998 **Proceedings of a workshop on held at Baltimore, Maryland: October 13-15, 1998**

Publisher: Association for Computational Linguistics

Full text available: pdf(519.19 KB) Additional Information: full citation, abstract

As part of our TIPSTER III research program, we have continued our research into strategies to resolve coreferences within a free text document; this research was begun during our TIPSTER II research program. In the TIPSTER II Proceedings paper, "An Evaluation of Coreference Resolution Strategies for Acquiring Associated Information," the goal was to evaluate the contributions of various techniques for associating an entity with three types of information: 1) name variations, 2) descriptive phra ...

2 XML query processing I: Composing XSL transformations with XML publishing views

Chengkai Li, Philip Bohannon, P. P. S. Narayan

June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

Full text available: pdf(225.65 KB) Additional Information: full citation, abstract, references, citings, index terms

While the XML Stylesheet Language for Transformations (XSLT) was not designed as a query language, it is well-suited for many query-like operations on XML documents including selecting and restructuring data. Further, it actively fulfills the role of an XML query language in modern applications and is widely supported by application platform software. However, the use of database techniques to optimize and execute XSLT has only recently received atten ...

3 Adaptive information extraction

Jordi Turmo, Alicia Ageno, Neus Català

July 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 2

Publisher: ACM Press

Full text available: pdf(986.35 KB) Additional Information: full citation, abstract, references, index terms

The growing availability of online textual sources and the potential number of applications of knowledge acquisition from textual data has lead to an increase in Information Extraction (IE) research. Some examples of these applications are the generation of data

bases from documents, as well as the acquisition of knowledge useful for emerging technologies like question answering, information integration, and others related to text mining. However, one of the main drawbacks of the application of ...

Keywords: Information extraction, machine learning

4 Delivering a large information database

Christina L. Klein

February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**

Publisher: ACM Press

Full text available: pdf(1.01 MB) Additional Information: full citation, index terms

5 Active rules for XML: A new paradigm for E-services

Angela Bonifati, Stefano Ceri, Stefano Paraboschi

August 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(81.58 KB) Additional Information: full citation, abstract, citings, index terms

XML is rapidly becoming one of the most widely adopted technologies for information exchange and representation. As the use of XML becomes more widespread, we foresee the development of active XML rules, i.e., rules explicitly designed for the management of XML information. In particular, we argue that active rules for XML offer a natural paradigm for the rapid development of innovative e-services. In the paper, we show how active rules can be specified in the context of XSLT, a pattern-based la ...

Keywords: Active databases, Document management, Query languages for XML, XML, XSLT

6 Document management: A ground-truthing engine for proofsetting, publishing, re-purposing and quality assurance

Steven J. Simske, Margaret Sturgill

November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available: pdf(165.66 KB) Additional Information: full citation, abstract, references, index terms

We present design strategies, implementation preferences and throughput results obtained in deploying a UI-based ground truthing engine as the last step in the quality assurance (QA) for the conversion of a large out-of-print book collection into digital form. A series of automated QA steps were first performed on the document. Five distinct zoning analysis options were deployed and the PDF output thence generated was used to regenerate TIFF files for comparison to the originals. Regenerated TIF ...

Keywords: layout, print-on-demand, region management, templates

7 System descriptions: MITRE-Bedford: description of the ALEMBIC system as used for MUC-4

John Aberdeen, John Burger, Dennis Connolly, Susan Roberts, Marc Vilain

June 1992 **Proceedings of the 4th conference on Message understanding MUC4 '92**

Publisher: Association for Computational Linguistics
Full text available: pdf(566.09 KB) Additional Information: full citation, abstract, references

The ALEMBIC text understanding system fielded at MUC-4 by MITRE-Bedford is primarily based on natural language techniques. ALEMBIC is a research prototype that is intended to explore several major areas of investigation:• Error recovery, involving primarily issues of semi-parsing and recovery of plausible attachments.• Robustness, involving primarily issues of uncertain reasoning and tractable inference.• Self-extensibility, focusing primarily on machine learning of natural langua ...

8 Project notes and demos: The week at a glance: cross-language cross-document information extraction and translation
Jim Cowie, Yevgeny Ludovik, Hugo Molina-Salgado, Sergei Nirenburg
July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 2**
Publisher: Association for Computational Linguistics
Full text available: pdf(302.89 KB) Additional Information: full citation, abstract, references

Work on the production of texts in English describing instances of a particular event type from multiple news sources will be described. A system has been developed which extracts events, such as meetings, from texts in English, Russian, Spanish, and Japanese. The extraction is currently carried out using only ontological information. The results of a set of such extractions were combined to produce a table of event instances, date stamped, with links back to the original documents. The original ...

9 Information extraction: Tasks, domains, and languages for information extraction
Boyan Onyshkevych, Mary Ellen Okurowski, Lynn Carlson
September 1993 **Proceedings of a workshop on held at Fredericksburg, Virginia: September 19-23, 1993**
Publisher: Association for Computational Linguistics
Full text available: pdf(709.08 KB) Additional Information: full citation, abstract

The information extraction tasks for the ARPA TIPSTER program center on automatically filling object-oriented data structures, called *templates*, with information extracted from free text in news stories (for discussion of templates and objects, see "Template Design for Information Extraction" in this volume). With text as input, the TIPSTER systems first detect whether the text contains relevant information. If so, the systems extract specific instances of generic types of information tha ...

10 Optimizing document format: Compression of scan-digitized Indian language printed text: a soft pattern matching technique
U. Garain, S. Debnath, A. Mandal, B. B. Chaudhuri
November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**
Publisher: ACM Press
Full text available: pdf(272.00 KB) Additional Information: full citation, abstract, references, index terms

In this paper, a new compression scheme is presented for Indian Language (IL) textual document images. Since OCR technology for IL scripts is not matured enough, transcription of these documents into digital domain needs new techniques that achieve high degree of compression as well as suitable methods to perform various operations like document indexing, retrieval, etc. The proposed method is essentially based on symbolic compression technique, which has been realized with an efficient segmenta ...

Keywords: data compression, indian language, pattern matching, textual image

11 Information extraction: BBN's PLUM Probabilistic Language Understanding system

Ralph Weischedel, Damaris Ayuso, Sean Boisen, Heidi Fox, Tomoyoshi Matsukawa, Constantine Papageorgiou, Dawn MacLaughlin, Masaichiro Kitawa, Tsutomu Sakai, June Abe, Hiroto Hosihi, Yoichi Miyamoto, Scott Miller
September 1993 **Proceedings of a workshop on held at Fredericksburg, Virginia: September 19-23, 1993**
Publisher: Association for Computational Linguistics
Full text available: pdf(1.13 MB) Additional Information: full citation, abstract, references

Traditional approaches to the problem of extracting data from texts have emphasized hand-crafted linguistic knowledge. In contrast, **BBN**'s **PLUM** system (**P**robabilistic **L**anguage **U**nderstanding **M**odel) was developed as part of an **ARPA**-funded research effort on integrating probabilistic language models with more traditional linguistic techniques. Our research and development goals are:• Achieving high performance in objective evaluations, such as the ...

12 Information extraction task: Tasks, domains, and languages
Boyan Onyshkevych, Mary Ellen Okurowski, Lynn Carlson
August 1993 **Proceedings of the 5th conference on Message understanding MUC5 '93**
Publisher: Association for Computational Linguistics
Full text available: pdf(686.13 KB) Additional Information: full citation, abstract

The Fifth Message Understanding Conference (MUC-5) involved the same tasks, domains and languages as the information extraction portion of the ARPA TIPSTER program. These tasks center on automatically filling object-oriented data structures, called *templates*, with information extracted from free text in news stories (for discussion of templates and objects, see "Template Design for Information Extraction" in this volume). For each task, a generic type of information that is specified for ...

13 Systems: The NYU system for MUC-6 or where's the syntax?
Ralph Grishman
November 1993 **Proceedings of the 6th conference on Message understanding MUC6 '95**
Publisher: Association for Computational Linguistics
Full text available: pdf(619.38 KB) Additional Information: full citation, abstract, references

Over the past five MUCs, New York University has clung faithfully to the idea that information extraction should begin with a phase of full syntactic analysis, followed by a semantic analysis of the syntactic structure. Because we have a good, broad-coverage English grammar and a moderately effective method for recovering from parse failures, this approach held us in fairly good stead.

14 Making use of document standards and models: A framework for structure, layout & function in documents
John Lumley, Roger Gimson, Owen Rees
November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**
Publisher: ACM Press
Full text available: pdf(1.55 MB) Additional Information: full citation, abstract, references, index terms

The Document Description Framework (DDF) is a representation for variable-data documents. It supports very high flexibility in the type and extent of variation supported, considerably beyond the 'copy-hole' or flow-based mechanisms of existing formats and tools. DDF is based on holding application data, logical data struc-ture and presentation as well as constructional 'programs' together within a single document. DDF documents can be merged with other documents, bound to variable values increme ...

Keywords: SVG, XML, XSLT, document construction, functional programming

15 Using GATE as an environment for teaching NLP

Kalina Bontcheva, Hamish Cunningham, Valentin Tablan, Diana Maynard, Oana Hamza

July 2002 **Proceedings of the ACL-02 Workshop on Effective tools and methodologies for teaching natural language processing and computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available: pdf(439.53 KB) Additional Information: full citation, abstract, references

In this paper we argue that the GATE architecture and visual development environment can be used as an effective tool for teaching language engineering and computational linguistics. Since GATE comes with a customisable and extendable set of components, it allows students to get hands-on experience with building NLP applications. GATE also has tools for corpus annotation and performance evaluation, so students can go through the entire application development process within its graphical develop ...

16 Design of communication: Solutions documentation

Vanadis Crawford, Angela Pitts, Rosalind Radcliffe, Leah Ann Seifert

October 2004 **Proceedings of the 22nd annual international conference on Design of communication: The engineering of quality documentation**

Publisher: ACM Press

Full text available: pdf(221.04 KB) Additional Information: full citation, abstract, references, index terms

In today's software environment, more and more products must be installed and configured in concert with one another. Unfortunately, most software is developed product-by-product and the approach to information development is in alignment with the individual development projects. In the end, a user may have to have as many as 20 publications open and 7 help systems up to understand how to implement the overall solution for his or her installation. This paper will discuss the need for cross-pr ...

Keywords: documentation, process, software engineering, solutions

17 XML transactions: An object-oriented extension of XML for autonomous web applications

Hasan M. Jamil, Giovanni A. Modica

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(277.52 KB) Additional Information: full citation, abstract, references, index terms

While the idea of extending XML to include object-oriented features has been gaining popularity in general, the potential of inheritance in document design has not been well recognized in contemporary research. In this paper we demonstrate that XML with dynamic inheritance aids better document designs and decreased management overheads and support increased autonomy. As an extended application, we point out that dynamic inheritance also helps effective automated web portal and ontology designs.W ...

Keywords: XML, autonomous objects, document structuring, dynamic object hierarchy, inheritance, object-orientation, web

18 Short papers session 1: Automatic document orientation detection and categorization through document vectorization

Shijian Lu, Chew Lim Tan

October 2006 **Proceedings of the 14th annual ACM international conference on**

Multimedia MULTIMEDIA '06

Publisher: ACM Press

Full text available: pdf(557.98 KB) Additional Information: full citation, abstract, references, index terms

This paper presents an automatic orientation detection and categorization technique that is capable of detecting the orientation of multilingual documents with arbitrary skew and categorizing document images according to the underlying languages. We carry out orientation detection and categorization through document vectorization, which encodes document orientation and language information and converts each document image into an electronic document vector through the exploitation of the density ...

Keywords: document image, document orientation detection

19 An issue-oriented approach to judicial document assembly

L. Karl Branting

August 1993 **Proceedings of the 4th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(749.95 KB) Additional Information: full citation, references, citings, index terms

20 Sources of Success for Boosted Wrapper Induction

David Kauchak, Joseph Smarr, Charles Elkan

December 2004 **The Journal of Machine Learning Research**, Volume 5

Publisher: MIT Press

Full text available: pdf(281.46 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we examine an important recent rule-based information extraction (IE) technique named Boosted Wrapper Induction (BWI) by conducting experiments on a wider variety of tasks than previously studied, including tasks using several collections of natural text documents. We investigate systematically how each algorithmic component of BWI, in particular boosting, contributes to its success. We show that the benefit of boosting arises from the ability to reweight examples to learn specifi ...

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